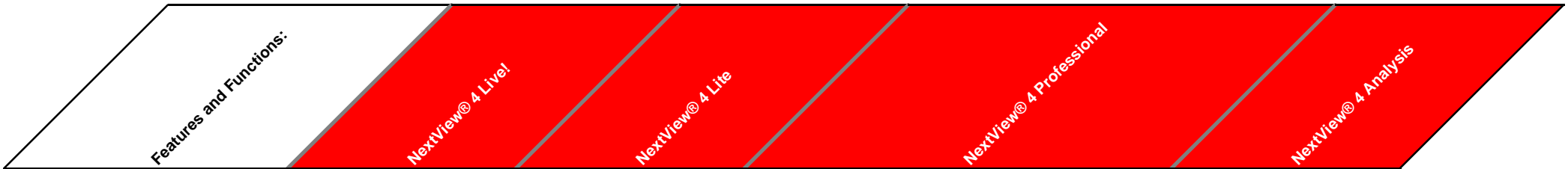


# Product Overview of NextView® 4.5 Versions



Last Update: 06/2011



<b>GENERAL</b>				
<b>System requirements</b>	see NextView® 4 Professional	see NextView® 4 Professional	minimum: Pentium processor (400MHz), 256MB RAM, hard disk >50MB, graphics card 1024x768, 256 colors  recommended: Pentium processor (1GHz), 512MB RAM, hard disk >200MB, graphics card 1600x1200, True Color  network card with TCP/IP (if using a LAN data acquisition system)  Windows® 7/XP mouse	see NextView® 4 Professional
<b>Save project</b>	yes	yes	yes	yes
<b>Lock project</b>	no	yes	yes	yes
<b>Compatible bmc hardware</b>	see NextView® 4 Professional	see NextView® 4 Professional	LAN: iM3250/iM3250T/iM-AD25/iM-AD25a, LAN-AD16f and AMS42/84-LAN16/AMS42/84-LAN USB: meM-AD/-ADDA/-ADf/-ADfo/-INC/-PIO and USB-AD/-AD12f-AD16f/-PIO PCI: PCI-BASEII/300/1000/-PIO PCIe: PCIe-BASE	no
<b>Other hardware</b>	-	-	-	-
<b>Max. number of DAQ systems</b>	unlimited	1	unlimited	0
<b>Max. number of channels</b>	see NextView® 4 Professional	see NextView® 4 Professional	depending on the DAQ system	no
<b>Formula channels</b>	16	no	16	no
<b>Importable file formats</b>	no	no	ASCII (*.asc), Diadem (*.dat), NextView® (*.lfx), data base (*.mdb), ModuLab Timestamp (*.tsf), TurboLab DAFF (*.dat)	see NextView® 4 Professional
<b>Max. file size</b>	1.8E19 Byte	1.8E19 Byte	1.8E19 Byte	1.8E19 Byte
<b>File trains</b>	no	no	add several numbered files for analysis beyond file borders	see NextView® 4 Professional
<b>Object-oriented property bar</b>	yes	yes	yes	yes

Features and Functions:

NextView® 4 Live!

NextView® 4 Lite

NextView® 4 Professional

NextView® 4 Analysis

<b>PRINTING</b>				
Page printing	no	yes, multi-page printing also	yes, multi-page printing also	yes, multi-page printing also
Printing of ...	no	graph displays, message displays	live displays, graph displays (optionally print cursors and cursor values also), message displays	graph displays (opt. print cursors and cursor values),
Print single displays	no	yes	yes	yes
Print preview	single displays	yes	yes	yes
Form printing	no	yes	yes	yes
Print to clipboard	no	yes	yes	yes
Precise page setting	yes	yes	yes	yes
<b>CONFIGURATION</b>				
Configuration of the whole system	scan frequency (dep. on the hardware), scan duration, prehistory frequency of live data (max. 100Hz), size of live data cache	scan frequency (dep. on the hardware), scan duration frequency of live data (max. 100Hz), size of live data cache name + directory path of measuring data file, optionally consecutive numbering	scan frequency (dep. on the hardware), scan duration, prehistory, number of storable scans (multi-scan) frequency of live data (max. 100Hz), size of live data cache name and directory path of meas. file, optionally consecutive numbering, copy last stored meas. file into a separate file (latest.lfx) internal/external clock, synchronization, multi-scan back-to-back or with new synchronization	no
General channel settings	see NextView® 4 Professional	see NextView® 4 Professional	channel and group name, comment	no
Settings for analog channels	see NextView® 4 Professional	see NextView® 4 Professional	presentation of numbers: integer, fixpoint, exponential, scientific, time; add.: width, number of decimals	no
Specific settings for analog inputs	see NextView® 4 Professional	measuring range, unit, conversion of measured voltages to signal values to be displayed (max. 8 reference values), offset default range of measuring data used in the displays (div. of the phys. meas. range) storage ratio and type (current value or avg of 20 values)	measuring range, unit, conversion of measured voltage values to signal values to be displayed (max. 8 ref. values), offset default range of measuring data used in the displays (div. of the phys. measuring range) storage ratio and type (current value, min, max, avg, rms) trigger (pos./neg. edge, inside/outside window)	no
Specific settings for analog outputs	see NextView® 4 Professional	see NextView® 4 Professional	output range, output voltage	no

Features and Functions:

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C O N F I G U R A T I O N				
Settings for digital channels	see NextView® 4 Professional	see NextView® 4 Professional	switching between input and output (if possible)	no
Specific settings for digital inputs	see NextView® 4 Professional	storage of current values	storage ratio and type (current value), digital trigger ( <i>high/low</i> )	no
Specific settings for digital outputs	see NextView® 4 Professional	see NextView® 4 Professional	set channel to <i>low/high</i>	no
Specific settings for formula channels	see NextView® 4 Professional	no	<p>calculation, displaying and storing of as many signals as you like (also with different storage ratio!) even during a scan</p> <p>addition, subtraction, multiplication, division sine, cosine, tangent, arc sine, arc cosine, arc tangent square root, absolute value, integer, power, polynomials</p> <p>exponential, common logarithm, natural logarithm minimum, maximum, average, rms Boolean operators "&lt;", "&gt;", "AND", "OR"</p>	no
Configuration of several channels at the same time	yes	yes	yes	no
Restorable default configuration	yes	yes	yes	no
Multi-scan	no	no	yes	no
Synchronization of measuring systems	no	no	yes, depending on the hardware	no
Storage type and ratio	temporary storage of current value, min, max, avg, rms	either current value or average value (ratio 1:20)	<p>scanning of one or more signals with different storage types (current value, min, max, avg, rms) at the same time</p> <p>storage ratio adjustable for each signal separately</p>	no
Direct storage to hard disk	temporary storage to RAM	yes	yes	no
Print device configuration	yes	no	yes	no
Save device configuration with project	yes	yes	yes	no
Trigger	see NextView® 4 Professional	no	<p>selection of trigger for one or more signals, various types of triggers possible for different signals</p> <p>analog: pos./neg. edge, outside/inside window; digital: <i>low/high</i></p>	no

Features and Functions:

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**DISPLAYS**

Picture	see NextView® 4 Professional	no	display one ore several bitmaps in selectable or full size as background image	see NextView® 4 Professional
Live display	see NextView® 4 Professional	continuous visualization of running signals even during a scan, envelope with a grid of 0.1 to 2 hours, recognizing peaks even of fast signals, even during a scan, 100% representation  show channel name or digital value, color settings size freely adjustable or in full sheet width x-axis: uses relative or absolute time y-axis: uses physical or default range or define minimum/maximum, optionally share y-axis between several signals	continuous visualization of running signals even during a scan, envelope with a grid of 0.1 to 2 hours, recognizing peaks even of fast signals, stop, scroll, zoom live signals, 100% representation  show channel name or digital value, color settings size freely adjustable or in full sheet width x-axis: uses relative or absolute time y-axis: uses physical or default range or define minimum/maximum, optionally share y-axis between several signals	no
Zoom live display	yes (stop display first)	no	yes (stop display first)	no
Text box	see NextView® 4 Professional	see NextView® 4 Professional	display of channel name, signalize active/inactive state whenno exceeding or falling beyond an alarm value in terms of color and content, format settings programming of script instructions (if NextView® 4 Script installed)	
Digital multimeter	see NextView® 4 Professional	see NextView® 4 Professional	display of digital value and channel name, signalize active/inactive state when exceeding or falling beyond an alarm value in terms of color, format settings programming of script instructions (if NextView® 4 Script installed)	no
Level indicator	see NextView® 4 Professional	no	display of digital value, unit, channel name and axis, signalize active/inactive state when exceeding or falling beyond an alarm value in terms of color, format settings  programming of script instructions (if NextView® 4 Script installed)	no
Button	see NextView® 4 Professional	no	use as switch or push-button, individual color settings and labeling for on/off programming of script instructions (if NextView® 4 Script installed)	see NextView® 4 Professional

Features and Functions:

NextView® 4 Live!

NextView® 4 Lite

NextView® 4 Professional

NextView® 4 Analysis

**D I S P L A Y S**

Slider	see NextView® 4 Professional	no	display channel name, digital value, unit, slider range, format no settings programming of script instructions (if NextView® 4 Script installed)	
Graph display	see NextView® 4 Professional	two cursors, zoom with zoom stack, 100% representation  show channel name or cursor values (coordinates), cursor interval (dx), average gradient (dx:dy), frequency (1:dx)  extensive signal info color settings size freely adjustable or in full sheet width x-axis: uses relative or absolute time y-axis: uses physical or default range or define minimum/maximum, optionally share y-axis between several signals programming of script instructions (if using NextView® 4 Script)	two cursors, zoom with zoom stack, 100% representation, x/y see NextView® 4 Professional graph (unlimited number of y signals to one x signal in a display even with different storage ratio), dot jam (for smoothing signals)  F-button: marking of the FFT-range; A-button: repeat last analysis show channel name or cursor values (coordinates), cursor interval (dx), average gradient( dx:dy), frequency (1:dx)  extensive signal information color settings size freely adjustable or in full sheet width x-axis: uses relative or absolute time y-axis: uses physical or default range or define minimum/maximum, optionally share y-axis between several signals programming of script instructions (if NextView® 4 Script installed)	
Key values of the active signal in the graph display	see NextView® 4 Professional Analysis only of provided signals!	no	calculation of minimum, maximum, mean value, standard deviation, rms-value within the cursor range  automatic cursor jumps to a defined level	see NextView® 4 Professional
Color settings	256 colors	256 colors	256 colors	256 colors
"Hand" tool	live and graph displays	live and graph displays	live and graph displays	graph displays
Show signals in several displays at the same time	yes	yes	yes	yes
Visualization of digital and analog signals in the same display	live and graph displays	live and graph displays	live and graph displays	graph displays
Correctly running grid	live and graph displays	live and graph displays	live and graph displays	graph displays

Features and Functions:

NextView® 4 Live!

NextView® 4 Lite

NextView® 4 Professional

NextView® 4 Analysis

<b>D I S P L A Y S</b>				
Max. number of signals in one display	live and graph display: unlimited others: 1	live and graph display: unlimited others: 1	live and graph display: unlimited; others: 1	graph display: unlimited; others: 1
View signals in panes	no	no	live and graph displays	graph displays
Hide signals	live and graph displays	live and graph displays	live and graph displays	graph displays
Edit signal parameters	no	n	yes	yes
Copy signal values to clipboard	no	no	yes	yes
Message display	see NextView® 4 Professional	see NextView® 4 Professional	switch between 1 system channel and 3 user channels, output medium optionally displaying date and time, size freely adjustable or in full sheet width, format settings	see NextView® 4 Professional
<b>A N A L Y S I S</b>				
Export	no	see NextView® 4 Professional	ASCII (*.asc), Diadem (*.dat), NextView® 4 (*.lfx), NextView®/NT 3.4 (*.lfx), TurboLab DAFF (*.dat)	see NextView® 4 Professional
ASCII export	no	see NextView® 4 Professional	output format of the y- and x-values: (e.g. with unit, y-values only, decimal notation, date/time format, align values on the left without spaces, y-values don't use the original notation of numbers)  field separation and borders	see NextView® 4 Professional
Calculation of signals	see NextView® 4 Professional (only of provided signals)	no	insert formula, integrate any signals completely displayed within the cursor range  enter file name, directory, unit addition, subtraction, multiplication, division sine, cosine, tangent, arc sine, arc cosine, arc tangent square root, absolute value, integer, pi, square, power, polynomial exponential, common and natural logarithm minimum, maximum, mean, rms list of the last 10 used formulas	see NextView® 4 Professional
FFT analysis	see NextView® 4 Professional (only of provided signals)	no	window functions: Round Last Point, Hanning, Hamming, Blackman, Bartlet  automatic calculation of signal range for the FFT to be carried out (to visualize range in the display press F-button, move by cursors)  results: magnitude, magnitude&phase, power spectrum, complex, logarithmic representation single or multiple FFT	see NextView® 4 Professional
Integration	see NextView® 4 Professional (only of provided signals)	no	single or double integration, manual or automatic offset, manual or automatic input of the unit of the resulting signal (will be shown in the display right away)	see NextView® 4 Professional

Features and Functions:

NextView® 4 Live!

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**A N A L Y S I S**

Differentiation	see NextView® 4 Professional (only of provided signals)	no	differentiation via a straight line passing N points on both sides of the coordinate, which is to be differentiated (N=1..1000), manual / automatic input of the unit of the resulting signal (will be shown in the display right away)	see NextView® 4 Professional
Digital filters	see NextView® 4 Professional (only of provided signals)	no	filters: critical, Bessel, Butterworth, Tschebyscheff (ripple: 0.5dB, 1.0dB, 2.0dB, 3.0dB)  filter orders: values selectable between 2. and 8. order filter type: low-, high-, band-pass, band-elimination cut-off frequency (max.: half of scan frequency) resulting signal will be shown in the display right away	see NextView® 4 Professional
Data reduction	see NextView® 4 Professional (only of provided signals)	no	calculating the min, max, avg or rms (envelope) of N values, reduction ratio between 1:1 and 1:1000  result signal will be shown in the display right away	see NextView® 4 Professional
Repeat last analysis	yes (only of provided signals)	no	yes	yes
Batch job	see NextView® 4 Professional (only of provided signals)	no	yes (optionally: automatic printing, consecutive numbering of result files, automatic start of analysis)	see NextView® 4 Professional

**M I S C E L L A N E O U S**

Programming with NextView®4 Script (for charge)	no	yes	yes	yes
Updates	software and hardware updates live via Internet	software and hardware updates live via Internet	software and hardware updates live via Internet	software and hardware updates live via Internet
Price	free  (If no licence has been purchased within 30 days after installing the trial, it will automatically change to the LIVE! version.)	net: 149.00 EUR (gross: 177.31 EUR) upgrade: net 59.00 EUR (gross: 70.21 EUR) package of 10 licenses: net: 499.00 EUR (gross: 593.81 EUR)	net: 899.00 EUR (gross: 1,069.81 EUR) upgrade: net 399.00 EUR (gross: 474.81 EUR) package of 10 licenses: net: 4,999.00 EUR (gross: 5,948.81 EUR)	net: 299.00 EUR (gross: 355.81 EUR) upgrade: net 129.00 EUR (gross: 153.51 EUR)